<110> TAVITIAN, BERTRAND
DUCONGE, FREDERIC
LIBRI, DOMENICO
DE FRANCISCIS, VITTORIO
CERCHIA, LAURA

<120> APTAMERS SELECTED FROM LIVE TUMOR CELLS AND THE USE THEREOF

<130> 296551US

<140> 10/593,256
<141> 2006-09-18

<150> PCT/FR05/000656
<151> 2005-03-17

<150> FR 0402774
<151> 2004-03-17

<160> 54

<170> PatentIn version 3.3

<210> 1
<211> 23
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 1
gggagacaag aauaaacgcu caa 23

<210> 2
<211> 24
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 2
aacgacagga ggcucacaac agga 24

<210> 3
<211> 50
<212> RNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 3
gcgcgggaau aguauggaag gauacguaua ccgugcaauc cagggcaacg 50

<210> 4
<211> 50
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 4
gggcuucaua agcuacaccg gccaacgcag aaaugccuua agcccgaguu 50

<210> 5
<211> 50
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 5
ggccauagcg caccaccaag agcaaauccc uaagcgcgac ucgagugagc 50

<210> 6
<211> 50
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 6
gggccaaucg aagccgguaa uucccaaacu aacgugcaaa cugcacccgc 50

<210> 7
<211> 49
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 7
gcgguaugua gggaauagca cuuuuuuugc guauaccuac accgcagcg 49

<210> 8
<211> 50
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 8
aggcgagccc gaccacguca guaugcuaga caacaacgcc cgcgugguac 50

<210> 9
<211> 51
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 9
ccccgcuuuu ugacgugauc gaacgcguau caguaacguc agcagucgag c 51

<210> 10
<211> 51
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 10
caaagcgugu auucucguga gccgaccauc guugcgaaca uccccggaac g 51

<210> 11
<211> 48
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 11
gacccguaug aagguggcgc aggacacgac cgucugcaau gagcgagc 48

<210> 12
<211> 50
<212> RNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 12
ccgaccugua cagcaguuag uuacacguuu gaaacaaccg gcguucgagc 50

<210> 13
<211> 50
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 13
ggcuuacacg gagaaacaag agagcggccc aaacuugauu gacaguggcc 50

<210> 14
<211> 49
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 14
ggcccuuaac gcaaaaacga aggaucaucg auugaucgcc uuaugggcu 49

<210> 15
<211> 48
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 15
ccgcggucug ugggacccuu caggaugaag cggcaaccca ugcgggcc 48

<210> 16
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 16
taatacgact cactataggg agacaagaat aaacgctcaa 40

<210> 17
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic primer

<400> 17
tcctgttgtg agcctcctgt cgtt 24

<210> 18
<211> 24
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 18
gggagacaag aauaaacgcu caag 24

<210> 19
<211> 30
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 19
gggagacaag aauaaacgcu caagcgguau 30

<210> 20
<211> 39
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 20
caauccaggg caacgaacga caggaggcuc acaacagga 39

<210> 21
<211> 33
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 21
accgcagcga acgacaggag gcucacaaca gga 33

<210> 22
<211> 97
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 22
gggagacaag aauaaacgcu caagcgcggg aauaguaugg aaggauacgu auaccgugca 60

auccagggca acgaacgaca ggaggcucac aacagga 97

<210> 23
<211> 34
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 23
cgcgggaaua guauggaagg auacguauac cgug 34

<210> 24
<211> 24
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 24
guagggaaua gcacguauac cuac 24

<210> 25
<211> 96
<212> RNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 25
gggagacaag aauaaacgcu caagcgguau guagggaaua gcacuuuuuu ugcguauacc 60

uacaccgcag cgaacgacag gaggcucaca acagga 96

<210> 26
<211> 7
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 26
gcgguau 7

<210> 27
<211> 15
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 27
caauccaggg caacg 15

<210> 28
<211> 9
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 28
accgcagcg 9

<210> 29
<211> 8
<212> RNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 29
uggaagga 8

<210> 30
<211> 7
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 30
cuuuuuu 7

<210> 31
<211> 97
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 31
gggagacaag aauaaacgcu caaaggcgag cccgaccacg ucaguaugcu agacaacaac 60

gcccgcgugg uacaacgaca ggaggcucac aacagga 97

<210> 32
<211> 97
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 32
gggagacaag aauaaacgcu caagggcuuc auaagcuaca ccggccaacg cagaaaugcc 60

uuaagcccga guuaacgaca ggaggcucac aacagga 97

<210> 33
<211> 96
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

oligonucleotide

<400> 33
gggagacaag aauaaacgcu caaggcccuu aacgcaaaaa cgaaggauca ucgauugauc 60

gccuuauggg cuaacgacag gaggcucaca acagga 96

<210> 34
<211> 29
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>
<221> modified_base
<222> (1)
<223> c, g, a, u or not present

<220>
<221> modified_base
<222> (2)..(5)
<223> c, g, a, or u

<220>
<221> modified_base
<222> (13)..(14)
<223> c, g, a, or u

<220>
<221> modified_base
<222> (15)
<223> c, g, a, u or not present

<220>
<221> modified_base
<222> (16)..(17)
<223> c, g, a, u or not present

<220>
<221> modified_base
<222> (18)..(24)
<223> May or may not be present

<220>
<221> modified_base
<222> (25)..(28)
<223> c, g, a, u or not present

<220>
<221> modified_base
<222> (29)
<223> c, g, a, u or not present

<220>
<223> See specification as filed for detailed description of
substitutions and preferred embodiments

<400> 34
nnnnnggaau agnnnnncgu auacnnnnn 29

<210> 35
<211> 26
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>
<221> modified_base
<222> (1)..(4)
<223> c, g, a, or u

<220>
<221> modified_base
<222> (12)..(15)
<223> c, g, a, or u

<220>
<221> modified_base
<222> (23)..(26)
<223> c, g, a, or u

<220>
<223> See specification as filed for detailed description of
substitutions and preferred embodiments

<400> 35
nnnnggaaua gnnnncguau acnnnn 26

<210> 36
<211> 97
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>
<221> modified_base
<222> (25)..(74)
<223> a, c, g, t, unknown or other

<400> 36
tcctgttgtg agcctcctgt cgttnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnttgagc gtttattctt gtctccc 97

<210> 37
<211> 114
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>
<221> modified_base
<222> (25)..(74)
<223> a, c, g, t, unknown or other

<400> 37
tcctgttgtg agcctcctgt cgttnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnttgagc gtttattctt gtctccctat agtgagtcgt atta 114

<210> 38
<211> 114
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>
<221> modified_base
<222> (41)..(90)
<223> a, c, g, t, unknown or other

<220>
<223> See specification as filed for detailed description of
substitutions and preferred embodiments

<400> 38
taatacgact cactataggg agacaagaat aaacgctcaa nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn aacgacagga ggctcacaac agga 114

<210> 39
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 39

ttgagcgttt attcttgtct ccc 23

<210> 40
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 40
aacgacagga ggctcacaac agga 24

<210> 41
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 41
ttgagcgttt attcttgtct ccctatagtg agtcgtatta 40

<210> 42
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 42
gggagacaag aataaacgct caa 23

<210> 43
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of DNA/RNA Molecule: Synthetic oligonucleotide

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 43
taatacgact cactataggg agacaagaau aaacgcucaa 40

<210> 44
<211> 24
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 44
aacgacagga ggcucacaac agga 24

<210> 45
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 45
ggccatagcg caccaccaag agcaaatccc taagcgcgac tcgagtgagc 50

<210> 46
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 46
aggcgagccc gaccacgtca gtatgctaga caacaacgcc cgcgtggtac 50

<210> 47
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 47
gggccaatcg aagccggtaa ttcccaaact aacgtgcaaa ctgcacccgc 50

<210> 48
<211> 50
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 48
ggcttacacg gagaaacaag agagcggccc aaacttgatt gacagtggcc 50

<210> 49
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 49
ccgacctgta cagcagttag ttacacgttt gaaacaaccg gcgttcgagc 50

<210> 50
<211> 51
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 50
ccccgctttt tgacgtgatc gaacgcgtat cagtaacgtc agcagtcgag c 51

<210> 51
<211> 51
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 51
caaagcgtgt attctcgtga gccgaccatc gttgcgaaca tccccggaac g 51

<210> 52
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 52
ccgcggtctg tgggaccctt caggatgaag cggcaaccca tgcgggcc 48

<210> 53
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 53
gcggtatgta gggaatagca ctttttttgc gtatacctac accgcagcg 49

<210> 54
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 54
gcgcgggaat agtatggaag gatacgtata ccgtgcaatc cagggcaacg 50